7	a also sign (+) inside this hav	_	_	ì
١	a plus sign (+) inside this box	7	+	

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Unice; U.S. DEPARTMENT OF COMMERC Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

bond to a collection of informatio	Sond to a collection of information driess it contains a valid Givis control navings.					
Compl t if Known						
Application Number	09/965,929					
Filing Date	09/28/2001					
First Named Inventor	R.W. Byren					
Group Art Unit	2882					
Examiner Name	Thomas D. Courtney					
Attorney Docket Number	PD00W129					

		<u> </u>	U.S. PATENT DOCU	JMENTS	
Cite No.1	U.S. Patent Number	Document Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	5,042,922		D. Pepper	08-27-1999	
	5,946,130		R. Rice	08-31-1999	
	5,253,033		W.M. Lipchak	10-12-1993	
	5,126,869		T. Dorschner	06-30-1992	
			T. Dorschner	03-03-1992	
			T. Dorschner	03-03-1992	
			T. Dorschner	05-28-1991	RA
			D. Rockwell	01-09-1996	
			R. Byren	01-17-1989	2 5/10
	4,734,911		H. Bruesselboch	03-29-1988	ED
					<00g
				 	
	·			<u> </u>	
		Cite No.1 Number 5,042,922 5,946,130 5,253,033 5,126,869 5,093,747 5,093,740 5,018,835 5,483,342 4,798,462	No.¹ Number Kind Code² (it known) 5,042,922 5,946,130 5,253.033 5,126,869 5,093,747 5,093,740 5,018.835 5,483,342 4,798,462	U.S. Patent Document Number Kind Code ² (it known) Name of Patentee or Applicant of Cited Document	Cite No.1 Number Kind Code ² (it known) Name of Patentee or Applicant of Cited Document Cited Document MM-DD-YYYY 5,042,922 D. Pepper 08-27-1999 5,946,130 R. Rice 08-31-1999 5,253,033 W.M. Lipchak 10-12-1993 5,126,869 T. Dorschner 06-30-1992 5,093,747 T. Dorschner 03-03-1992 5,093,740 T. Dorschner 03-03-1992 5,018,835 T. Dorschner 05-28-1991 5,483,342 D. Rockwell 01-09-1996 4,798,462 R. Byren 01-17-1989

	FOREIGN PATENT DOCUMENTS								
i	1	F	oreign Patent Do		Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant		
Examiner Initials*	Examiner Initials*	Cite No. ¹	Office ³	Number ⁴	Kind Code ⁵ (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant \ Figures Appear	T ₆
								1	
						<u> </u>		+	
		 						+	
								+	
	-	1-1-							
								┷	
					· · · · · · · · · · · · · · · · · · ·			+	
1 1		1 1		1 1		1			

		A STATE OF THE PARTY OF THE PAR
Examiner	Date	
Signature	Consi	dered

+

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

e	type	a plus	sign	(+)	inside	this	box	\rightarrow	+
	.,,,,	u pido	···9···	٠,				~	Τ.

PTO/SB/08B (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of 2 Sheet

Co	3	
Application Number	09/965,929	
Filing Date	09/28/2001	
First Named Inventor	R.W. Byren	8 1/2
Group Art Unit	2882	-7. %
Examiner Name	Thomas D. Courtney	
Attorney Docket Number	PD00W129	Olg
		•
DATENT LITERATUR	E DOOLINENTO	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2				
		TYSON and ULRICH, "Adaptive Optics", The Infrared and Electro-Optical Handbook, Volume 8,					
	ŀ	Chapter 2, ERIM, Ann Arbor, MI, pp. 167-172, (1963).					
		GOLNICK, "Directed Energy Systems", The Infrared and Electro-Optical Handbook, Volume 8,					
		Chapter 5, ERIM, Ann Arbor, MI, pp. 405-408, 423-446, (1963).					
		BASOV et al, "Inversion of Wavefront in SMBS of a Depolarized Pump," JTEP Lett. Volume 28,					
		No. 4, pp. 197-201, August 1978					
		BETIN, MATTHEWS, and MANGIR, "Vector Phase Conjugation with Loop Laser Geometry,"					
		CLEO '97 Proceedings, Paper No. CTuL4, pp. 102-103, (1997)					
		E. TREACY, "Optical Pulse Compression with Diffraction Gratings," IEEE J. of Quantum					
		Electronics, Volume QE-5, No. 9, p. 454, September 1969					
	l						
			T				
	┢						
	├		╁				
			$oldsymbol{oldsymbol{oldsymbol{eta}}}$				
			L				

Examiner	Date
Signature	Considered

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.